

**National Personal Protective  
Technology Laboratory**

**PAPR Summary**

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**July 20, 2005**

# CBRN PAPR Standard Development

- **Performance based CBRN PAPR concept**
  - **Flow**
    - Testing via use of high flow breathing machines
    - Constant flow and pressure demand
  - **Filter capacity**
    - Tested at flow rate determined by PAPR blower
  - **Particulate efficiency**
    - 99.97% tested at flow rate or velocity determined by PAPR Blower
  - **Hazard protection**
    - Requirements same as CBRN APR

# **CBRN PAPR Standard Development Future Considerations for Respirator Certification**

## **Application content**

- Quality control plan
  - FMEA

## **CBRN PAPR Standard Development Actions for CBRN PAPR Concept Development**

- **Revise and post CBRN PAPR concept by August 31, 2005**
- **Continue stakeholder discussions on concept**
- **Public Meeting to discuss implementation strategy on September 29, 2005**
- **Development/benchmark testing**
  - Breathing performance testing
    - Breathing machine @ ambient conditions
    - Demonstrate Repeatability and Validation
  - 99.97% efficiency particulate testing
    - High flow
    - Demonstrate Repeatability and Validation

# **Information Docket CBRN PAPR Respirator**

- **Mail:**
  - NIOSH Docket Office
  - Robert A. Taft Laboratories, M/S C 34  
PAPR – NIOSH 010  
4676 Columbia Parkway  
Cincinnati, OH 45226
- **Email:** [niocindocket@cdc.gov](mailto:niocindocket@cdc.gov)
- **Fax:** (513) 533-8285
- **Phone:** (513) 533-8303
- **NPPTL Web Site:** <http://www.cdc.gov/niosh/npptl>

# Industrial PAPR Implementation

- **Much of the Technical Work developed in the CBRN PAPR project can be applied to the Industrial Standard**
- **Will use Concept Paper format up to the initiation of Rulemaking – revised concept in 45 to 60 days**
- **Additional public meeting November 2005**
- **Formal Rulemaking Process –**
  - Follow administrative procedures and staffing requirements
  - Target date for formal notice January 2006
  - 18 to 21 months to implementation (Fall 2007)

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  - NIOSH Docket Office
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